

Fire Apparatus Driver/Operator – Tillered Apparatus

Certification Training Standards Guide August 2015



California Department of Forestry and Fire Protection
Office of the State Fire Marshal
State Fire Training

Fire Apparatus Driver/Operator – Tillered Apparatus

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This CTS guide utilizes NFPA 1002 Standard for Fire Apparatus Driver/Operator Professional Qualifications (2014) to provide the qualifications for State Fire Training's Fire Apparatus Driver/Operator – Tillered Apparatus certification.

State Fire Training coordinated the development of this CTS guide. Before its publication, the Statewide Training and Education Advisory Committee (STEAC) and the State Board of Fire Services (SBFS) recommended this CTS guide for adoption by the Office of the State Fire Marshal (OSFM).



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State Fire Training

Mission

To enable the California Fire Service to safely protect life and property through education, training, and certification.

The California Fire Service Training and Education System

The California Fire Service Training and Education System (CFSTES) was established to provide a single statewide focus for fire service training in California. CFSTES is a composite of all the elements that contribute to the development, delivery, and administration of training for the California fire service. The authority for the central coordination of this effort is vested in the Training Division of the California State Fire Marshal's Office with oversight provided by the State Board of Fire Services.

CFSTES facilitates, coordinates, and assists in the development and implementation of standards and certification for the California fire service. CFSTES:

1. Administers the California Fire Academy System
2. Provides accredited courses leading to certification and approved standardized training programs for local and regional delivery
3. Administers the national accreditation process in California
4. Publishes certification training standards, course plans, and a certification task book for each certified level in the California fire service

CFSTES is a fire service system developed by the fire service, for the fire service. It is only as successful and effective as the people involved in it.

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How to Read a CTS Guide

State Fire Training develops a Certification Training Standards (CTS) Guide for a variety of job functions in the fire service such as firefighter, driver/operator, fire instructor, and company officer. The CTS guide lists the requisite knowledge and skills and the job performance requirements a person is expected to complete in order to become certified in a specific function. CTS guides are appropriate for fire service personnel and individuals in related occupations pursuing State Fire Training certification.

Each CTS guide serves as a foundation for the certification programs recommended for adoption by the Office of the State Fire Marshal. Any certification program must be based on job-related knowledge and measurable performance standards. To master the knowledge and skills needed for specialized operations, individuals will require additional training to augment the performance standards included in the CTS guide.

Within the CTS guide, it is impossible to capture the different policies and procedures of each organization in the California fire service. Individuals aspiring to meet State Fire Training's certification training standards must do so in accordance with the codes, standards, regulations, policies, and standard operating procedures applicable within their own departments or jurisdictions.

Format

Each certification training standard included in the CTS guide includes the following:

Section Heading

The section heading describes a general category for a group of training standards. For example, the Fire Marshal CTS includes the following sections: Administration, Risk Management, Community Relations, Professional Development, Regulatory Programs, Fire and Life Safety, and Investigation. Each section contains one or more individual training standards.

Training Standard Title

The training standard title provides a general description of the performance requirement contained within the standard.

Authority

The CTS guide references each standard with one or more paragraphs of the corresponding National Fire Protection Association (NFPA) Professional Qualifications. This ensures that each fire service function within California's certification system meets or exceeds NFPA standards.

When California requirements exceed the NFPA standard, the CTS guide cites the Office of the State Fire Marshal as the authority and prints the corresponding information in *italics*.

Given

This section lists the objects, equipment, materials, or facilities an individual needs in order to acquire the requisite knowledge and skills or to accomplish the job performance requirement(s) within a training standard.

Requisite Knowledge and Skills

This section lists the knowledge and skills that an individual must acquire in order to accomplish the job performance requirement(s) within a training standard.

This section does not include NFPA requisite knowledge or skills that are too general to teach or that individuals should develop through life experiences. For example, a training standard would not list “communicate orally and in writing” or “ability to relate interpersonally” unless they specifically apply to a job performance requirement about acquiring communication skills or developing interpersonal relationships.

Job Performance Requirements

This section includes one or more written statements that describe a specific job-related task and define measurable or observable outcomes. After an individual completes all coursework and requisite requirements, the certification task book process verifies completion of job performance requirements.

Content

In addition to the individual certification training standards, the CTS guide also includes State Fire Training Revisions and Errata pages.

State Fire Training Content

Located at the back of the CTS guide, this table documents any significant revisions made by State Fire Training to the NFPA standards in the development of this CTS guide. This table is used to justify content additions and advise the course plan development team.

Errata

Located at the back of the CTS guide, this page documents any changes made to the CTS guide outside of the five-year NFPA revision cycle.

Fire Apparatus Driver/Operator – Tillered Apparatus

Section 1: Operations

1-1: Perform the Practical Driving Exercises

Authority

NFPA 1002 Standard for Fire Apparatus Driver/Operator Professional Qualifications (2014)

- Paragraph 7.2.1
- Paragraph 7.2.2

Office of the State Fire Marshal

Given

1. Aerial apparatus equipped with a tiller
2. Qualified driver/*operator*
3. Spotter
4. *Manufacturer's specifications and requirements*
5. *Policies and procedures of the jurisdiction*

Requisite Knowledge and Skills

1. *Discuss* principles of tiller operations
2. *Identify the* methods of communication with the *apparatus driver/operator*
3. *Explain the* effects on tiller control of general steering reactions
4. *Describe* manufacturer operation limitations
5. Determine a correct position for the tiller
6. Maneuver the tiller into *the correct* position
7. Operate the communication system between the tiller operator's position and the driver's compartment
8. Avoid obstacles to operations

Job Performance Requirements

Perform the practical driving exercises specified in NFPA 1002 Paragraphs 4.3.2 through 4.3.5 without striking the apparatus or obstructions.

1-2: Operate a Tillered Apparatus

Authority

NFPA 1002 Standard for Fire Apparatus Driver/Operator Professional Qualifications (2014)

- Paragraph 7.2.2

Given

1. Aerial apparatus equipped with a tiller
2. Qualified driver/*operator*
3. Spotter
4. *Predetermined route on a public way*

Requisite Knowledge and Skills

1. *Explain* the effects on tiller control during night driving and negotiating intersections
2. Operate the communication system between the tiller operator's position and the driver's compartment
3. Operate passenger restraint devices
4. Maintain control of the tiller while accelerating, decelerating, and turning
5. Operate the *tiller* during nonemergency conditions
6. Operate under adverse environmental or driving surface conditions

Job Performance Requirements

Operate an aerial apparatus equipped with a tiller over a predetermined route on a public way using the maneuvers specified in Paragraph 4.3.1 while in compliance with all applicable state and local laws, and policies and procedures of the jurisdiction.

1-3: Position and Stabilize a Tillered Apparatus

Authority

NFPA 1002 Standard for Fire Apparatus Driver/Operator Professional Qualifications (2014)

- Paragraph 7.2.3

Given

1. *Aerial apparatus equipped with a tiller*
2. *Qualified driver/operator*
3. Incident location
4. Situation description
5. Assignment

Requisite Knowledge and Skills

1. *Explain the principles of positioning and stabilizing an aerial apparatus*
2. Determine a correct position for the tiller
3. Maneuver the tiller into *the correct* position
4. Avoid obstacles to operations

Job Performance Requirements

Position and stabilize a fire department aerial apparatus equipped with a tiller.

State Fire Training Content

Code Key

Blocks

- G = Given
- RKS = Requisite Knowledge and Skills
- JPR = Job Performance Requirements
- NCTS = New certification training standard

Certification: Fire Apparatus Driver/Operator – Tillered Apparatus

CTS	Block	Addition	Justification	Source/ Reference
1-1	G	Manufacturer's specifications and requirements	Needed to perform the JPR	N/A
1-1	G	Policies and procedures of the jurisdiction	Needed to perform the JPR	N/A
1-2	G	Predetermined route on a public way	Needed to perform the JPR	N/A
1-3	G	Aerial apparatus equipped with a tiller	Needed to perform the JPR	N/A
1-3	G	Qualified driver/operator	Needed to perform the JPR	N/A